Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/28/2021 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124200	-1	2.76	123996	2.78
Blue	F	SSC	125000	124165	-1	3.38	124625	3.18
Blue	E	FITC	14284	13730	-4	3.45	385	14.28
Blue	D	PE	23919	23475	-2	3.08	555	11.43
Blue	B	PerCP-Cy5-5	31332	30697	-3	3.99	878	15.91
Blue	A	PE-Cy7	22272	21810	-3	5.89	454	32.17
Red	C	APC	47768	47503	-1	2.73	1631	11.80
Red	A	APC-Cy7	25313	24298	-5	3.24	687	12.69
Violet	B	V450	7085	6808	-4	3.73	476	11.55
Violet	A	V500	26969	26023	-4	3.29	892	8.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23409	4.48	590	1	N/A	N/A	Pass
Blue	F	SSC	55374	2.92	525	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	497	-4	0.0378	21	Pass
Blue	D	PE	108	40.97	495	-2	0.3388	278	Pass
Blue	B	PerCP-Cy5-5	137	44.79	585	-3	0.0178	95	Pass
Blue	A	PE-Cy7	74	85.53	631	-4	0.0203	4	Pass
Red	C	APC	340	27.20	582	2	0.0269	228	Pass
Red	A	APC-Cy7	127	37.07	553	-2	0.0062	1714	Pass
Violet	B	V450	80	47.52	456	-7	0.0543	2202	Pass
Violet	A	V500	105	31.98	467	-7	0.0239	905	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.97	-31.56	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	13.67	13.60 - 20.40	N/A	N/A	29.64	30.15	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13435

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments